

RECEIVED
1 APR 3 2002

TECH CENTER 1600/2900

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Lawrence P. WACKETT et al.)	Group Art Unit: 1652
)	
Serial No.: 09/898,238)	Examiner: Richard Hutson
Confirmation No.: 7517)	
)	
Filed: 3 July 2001)	
)	
For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF TRIAZINE COMPOUNDS		

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington D.C. 20231

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified divisional patent application. Consideration of each of the documents listed on the attached 1449 forms is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Applicants also wish to bring the Examiner's attention to the following pending U.S. Applications, as well as any prior art and any provisional U.S. patent applications referenced therein. A copy of each of the below-listed pending U.S. Patent Applications is provided herewith.

List of Pending Non-Published U.S. Patent Applications

Applicant(s)	Application Number	Filing Date	Serial No. of Provisional Application to which listed Application claims priority
Wackett et al.	09/866,307	05/25/01	60/035,404, filed 1/17/97
Sadowsky et al.	09/329,535	06/10/99	
McTavish	09/769,719	01/25/01	60/178,345, filed 01/25/00

Information Disclosure Statement

Page 2 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

Please note that the documents listed on the accompanying 1449 form, with the exception of the below-listed documents, are not included herewith, as they have previously been made of record in the parent patent application, U.S. Serial No. 08/546,793, filed October 23, 1995, and issued September 4, 2001 as U.S. Patent No. 6,284,522 B1. A copy of each of the below-listed documents is provided herewith.

U.S. Patent No.	Date	Name
3,779,869	12/18/73	Zienty
4,075,321	02/21/78	Relyveld
4,138,290	02/06/79	McMullen et al.
4,695,455	09/22/87	Barnes et al.
4,757,008	07/12/88	Reverman
4,798,786	01/17/89	Tice et al.
4,849,217	07/18/89	Soares et al.
4,918,016	04/17/90	Leuba et al.
5,073,677	12/17/91	Helmer et al.
5,143,847	09/01/92	Kawase et al.
5,318,913	06/07/94	Relyveld
5,437,993	08/01/95	Visuri
5,474,925	12/12/95	Maliyakal et al.
5,489,401	02/06/96	Freeman
5,824,512	10/20/98	Pazirandeh et al.
5,849,296	12/15/98	Navia et al.
6,265,201 B1	07/24/01	Wackett et al.
6,284,522 B1	09/04/01	Wackett et al.

Information Disclosure Statement

Page 3 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

Foreign Patent Doc.	Date	Country
0 218 571 A2	04/15/87	EPO
0 234 415 A2	09/02/87	EPO
0 302 284 B1	02/08/89	EPO
0 340 378 B1	11/08/89	EPO
0 859 051 A1	08/19/98	EPO
DE 35 08 906 A1	09/18/86	Germany (with English language abstract)
JP 616 9772	06/21/94	Japan (with English language abstract)
RU 20 90 246 C1	09/20/97	Russia (with English language abstract)
GB 2 244 711 A	12/11/91	United Kingdom
WO 90/07576	07/12/90	WIPO (with English language abstract)
WO 91/01087	02/07/91	WIPO
WO 95/22625	08/24/95	WIPO
WO 97/15675	05/01/97	WIPO
WO 98/18941	05/07/98	WIPO (with English language abstract)
WO 98/31816	07/23/98	WIPO
WO 01/55409 A2	02/08/01	WIPO

Other Documents
Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucleic Acids Research</i> , 25:3389-3402 (1997).
Arkin et al., "An algorithm for protein engineering: Simulations of recursive ensemble mutagenesis," <i>Proceedings of the National Academy of Sciences, USA</i> , 89:7811-7815 (1992).
Austin et al., "Production and field performance of transgenic alfalfa (<i>Medicago sativa</i> L.) expressing alpha-amylase and manganese-dependent lignin peroxidase," <i>Euphytica</i> , 85:381-393 (1995).
Ausubel, et al., eds., <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., United States; title page, publication page, and table of contents only: 12 pages (1994).

Information Disclosure Statement

Page 4 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

Baker, "Herbicide Resistance," *Tropical Grassy Weeds*, CAB International, Wallingford, England, Title page, publication page and pages 96-105 (1991).

Bartel et al., "Isolation of New Ribozymes from a Large Pool of Random Sequences," *Science*, 261:1411-1418 (1993).

Bingham, "Registration of Alfalfa Hybrid Regen-Sy Germplasm for Tissue Culture and Transformation Research," *Crop Science*, 31:1098 (1991).

Bock et al., "Selection of single-stranded DNA molecules that bind and inhibit human thrombin," *Nature*, 355:564-566 (1992).

Box, et al., *Statistics for Experimenters : An Introduction to Design, Data Analysis, and Model Building*, John Wiley & Sons, Inc., New York, NY; Title page, publication page and table of contents only: 10 pages (1978) .

Brosius, et al., "Gene organization and primary structure of a ribosomal RNA operon from *Escherichia coli*," *Journal of Molecular Biology*, 148(2):107-127 (1981).

Brown et al., "Role of genetic background in somatic embryogenesis in *Medicago*," *Plant Cell Tissue Organ Culture*, 4:111-122 (1985).

Burchfield et al., "Pyridine-alkali reactions in the analysis of pesticides containing active halogen atoms," *Agricultural and Food Chemistry*, 6:106-110 (1958).

Caldwell et al., "Limits of Diffusion in the Hydrolysis of Substrates by the Phosphotriesterase from *Pseudomonas diminuta*," *Biochemistry*, 30(30):7438-7444 (1991).

Calogero et al., "In vivo recombination and the production of hybrid genes," *FEMS Microbiology Letters*, 97:41-44 (1992).

Caren et al., "Efficient Sampling of Protein Sequence Space for Multiple Mutants," *Bio/Technology*, 12:517-520 (1994).

Crossway et al., "Integration of foreign DNA following microinjection of tobacco mesophyll protoplasts," *Molecular and General Genetics*, 202:179-185 (1986).

Cwirla et al., "Peptides on phage: A vast library of peptides for identifying ligands," *Proceedings of the National Academy of Sciences, USA*, 87:6378-6382 (1990).

Daniell et al., "Containment of herbicide resistance through genetic engineering of the chloroplast genome," *Nature Biotechnology*, 16:345-348 (1998).

Delagrave et al., "Searching Sequence Space to Engineer Proteins: Exponential Ensemble Mutagenesis," *Bio/Technology*, 11:1548-1552 (1993).

Delagrave et al., "Recursive ensemble mutagenesis," *Protein Engineering*, 6:327-331 (1993).

Information Disclosure Statement

Page 5 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

Dellaporta et al., "Molecular Cloning of the Maize *R-nj* Allele by Transposon Tagging with *Ac*," *Chromosome Structure and Function*, Plenum Press, New York, Title page, publication page and pages 263-282 (1988).

Eaton et al., "Metabolism of dibutylphthalate and phthalate by *Micrococcus* sp. strain 12B," *Journal of Bacteriology*, 151(1):48-57 (1982).

Elhai et al., "Conjugal Transfer of DNA to Cyanobacteria," *Methods in Enzymology*, 167:747-754 (1988).

Epstein, "Estimation of Microquantities of Cyanide," *Analytical Chemistry*, 19: 272-274 (1947).

Fadullon et al., "Degradation of atrazine in soil by *Streptomyces*," *Journal of Environmental Science and Health B*, 33(1):37-49 (1998).

Flores et al., "Characterization of a glutaraldehyde stabilized yeast cell biocatalyst with β -galactosidase activity," *Journal of Fermentation and Bioengineering*, 81(6):524-529 (1996).

Freeman et al., "Fixation and stabilization of *Escherichia coli* cells displaying genetically engineered cell surface proteins," *Biotechnology and Bioengineering*, 52(5):625-630 (1996).

Gallie et al., "The 5'-leader sequence of tobacco mosaic virus RNA enhances the expression of foreign gene transcripts in vitro and in vivo," *Nucleic Acids Research*, 15:3257-3273 (1987).

Gallie, "Posttranscriptional Regulation of Gene Expression in Plants," *Annual Review of Plant Physiology and Plant Molecular Biology*, 44:77-105 (1993).

Gamborg et al., "Nutrient Requirements of Suspension Cultures of Soybean Root Cells," *Experimental Cell Research*, 50:151-158 (1968).

Goldman et al., "An Algorithmically Optimized Combinational Library Screened by Digital Imaging Spectroscopy," *Bio/Technology*, 10:1557-1561 (1992).

Habig et al., "Assays for Differentiation of Glutathione s-transferases," *Methods in Enzymology*, 77:398-405 (1981).

Hayashi et al., "Simultaneous Mutagenesis of Antibody CDR Regions by Overlap Extension and PCR," *Biotechniques*, 17:310-315 (1994).

Heijne et al., "Domain structure of mitochondrial and chloroplast targeting peptides," *European Journal of Biochemistry*, 180:535-545 (1989).

Hermes et al., "Searching sequence space by definably random mutagenesis: Improving the catalytic potency of an enzyme," *Proceedings of the National Academy of Sciences, USA*, 87:696-700 (1990).

Ikuta et al., "The α -Amylase Gene as a Marker for Gene Cloning: Direct Screening of Recombinant Clones," *Biotechnology*, 8:241-242 (1990).

Information Disclosure Statement

Page 6 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

- | |
|--|
| Jobling et al., "Enhanced translation of chimaeric messenger RNAs containing a plant viral untranslated leader sequence," <i>Nature</i> , 325:622-625 (1987). |
| Jones et al., "Degradation of atrazine in estuarine water/sediment systems and soils," <i>Journal of Environmental Quality</i> , 11(4):632-638 (1982). |
| Katz et al., "Cloning and Expression of the Tyrosinase Gene from <i>Streptomyces antibioticus</i> in <i>Streptomyces lividans</i> ," <i>Journal of General Microbiology</i> , 129:2703-2714 (1983). |
| Kauffmann et al., "Entrapment of atrazine chlorohydrolase in sol-gel glass matrix," <i>J Biotech.</i> , 62(3):169-176 (1998). |
| Keegstra et al., "Chloroplastic Precursors and Their Transport Across the Envelope Membranes," <i>Annual Review of Plant Physiology and Plant Molecular Biology</i> , 40:471-501 (1989). |
| Kennedy et al., "Principles of immobilization of enzymes," <i>Handbook of Enzyme Biotechnology</i> , 3 rd Edition, Wiseman, ed., Ellis Horwood Limited, Hertfordshire, Great Britain, Title page, publication page and pages 235-310 (1995). |
| Klein et al., "High-velocity microprojectiles for delivering nucleic acids into living cells," <i>Nature</i> , 327:70-73 (1987). |
| Kontchou et al., "Rapid biodegradation of the herbicide atrazine in soil inoculated with a pure bacterial culture," Proceedings of the IX Symposium of Pesticide Chemistry: Mobility and Degradation of Xenobiotics, (A.A.M. Del Re et al., eds.), Piacenza, Italy, 11-13 October 1993, pp. 533-536 (Istituto di Chimica Agraria ed Ambientale, Università Cattolica del Sacro Cuore). |
| Koskinen et al., "Automation of atrazine and alachlor extraction from soil using a laboratory robotic system," <i>Soil Science Society of America Journal</i> , 55:561-562 (1991). |
| LeBaron, "Ways and means to influence the activity and the persistence of triazine herbicides in soils," <i>Residue Reviews</i> , 32:311-353 (1970). |
| LeBaron et al., "Summary of Accomplishments, Conclusions, and Future Needs," <i>Herbicide Resistance in Plants</i> , Wiley, N.Y., Title page, publication page and pages 349-362 (1982). |
| LeBaron et al., "Herbicide resistance in weeds and crops," <i>Managing Resistance to Agrochemicals</i> , ACS Symposium Ser. 421, ACS Books, Washington, D.C., Title page, publication page and pages 336-352 (1990). |
| Lee et al., "Superoxide dismutase: an evolutionary puzzle," <i>Proceedings of the National Academy of Sciences, USA</i> , 82:824-828 (1985). |
| Leung et al., "A Method for Random Mutagenesis of a Defined DNA Segment using a Modified Polymerase Chain Reaction," <i>Technique</i> , 1:11-15 (1989). |

Information Disclosure Statement

Page 7 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

Liu et al., "Ecology and evolution of microbial populations for bioremediation," <i>Trends in Biotechnology</i> , 11(8):344-352 (1993).
Loos, "Indicator media for microorganisms degrading chlorinated pesticides," <i>Canadian Journal of Microbiology</i> , 21:104-107 (1975).
Marton et al., "DNA nicking favors PCR recombination," <i>Nucleic Acids Research</i> , 19:2423-2426 (1991).
Mattan, Cynthia "Dechlorination of Atrazine by the Enzyme Atrazine Chlorohydrolase During Simulated Water Treatment Processes," Master of Sciences Thesis, University of Minnesota, 48 pages (1998).
McCafferty et al., "Phage antibodies: filamentous phage displaying antibody variable domains," <i>Nature</i> , 348:552-554 (1990).
Mets et al., "Prospects for Genetic Modification of Plants for Resistance to Triazine Herbicides," <i>Biotechnology in Plant Science: Relevance to Agriculture in the Eighties</i> , Academic Press, Florida, Title page, publication page and pages 301-312 (1985).
Meyerhans et al., "DNA recombination during PCR," <i>Nucleic Acids Research</i> , 18:1687-1691 (1990).
Minshull, "Cleaning up our own backyard: developing new catabolic pathways to degrade pollutants," <i>Chemistry & Biology</i> , 2(12):775-780 (1995).
Minshull et al., "Metabolic Pathway Engineering by Directed Evolution," abstract, Biodegradation of Organic Pollutants, UIB-GBF-CSIC-TUB Symposium, Mallorca. pages 48-49 (June 29 - July 3, 1996).
Minshull, "Evolving Enzymes for Biodegradation and Biosynthesis," Abstract, 4:10, <i>IBC's 2nd Annual Symposium on Exploiting Enzyme Technology</i> , International Business Communications, 4 pages (February 20, 1997).
Mosbach et al., eds., <i>Methods in Enzymology Vol. 135. Part B. Immobilized Enzymes and Cells</i> , Academic Press, Orlando, FL; title page, publication page, and table of contents only: 5 pages (1985).
Mulchandani et al., "Detoxification of organophosphate nerve agents by immobilized <i>Escherichia coli</i> with surface-expressed organophosphorus hydrolase," <i>Biotechnology and Bioengineering</i> , 63(2):216-223 (1999).
Mullineaux, "Genetically Engineered Plants for Herbicide Resistance," <i>Plant Genetic Manipulation for Crop Protection</i> , CAB International, Wallingford England, pages 75-107 (1992).
Murray et al., "Codon usage in plant genes," <i>Nucleic Acids Research</i> , 17:477-498 (1989).

Information Disclosure Statement

Page 8 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

National Institutes of Health, "BLAST 2 Sequences," [online] United States; retrieved November 26, 2001, from the Internet: <URL:http://www.ncbi.nlm.nih.gov/gorf/bl2.html>, 1 page.

National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus No. PAU55933, Accession No. U55933, "*Pseudomonas* ADP atrazine chlorohydrolase (atzA) gene, complete cds," [online]. Bethesda, MD [retrieved on January 2, 2001]. Retrieved from Internet
URL:<www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Nucleotide&list_uids=3766245&dopt=GenBank >, 2 pages.

National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus No. AAC64663, Accession No. AAC64663, "atrazine chlorohydrolase [*Pseudomonas* sp. ADP]," [online]. Bethesda, MD [retrieved on January 2, 2001]. Retrieved from Internet
URL:<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=Protein&list_uids=3766246&dopt=GenPept>, 2 pages.

Niedz et al., "Green fluorescent protein: an *in vivo* reporter of plant gene expression," *Plant Cell Reports*, 14:403-406 (1995).

NIH Guidelines for Research Involving Recombinant DNA Molecules, *Federal Register*, 59, July 5, 1994 (59 FR 34496-34547).

Nissim et al., "Antibody fragments from a 'single pot' phage display library as immunochemical reagents," *EMBO Journal*, 13:692-698 (1994).

Oettmeier et al., Effect of Different Photosystem II Inhibitors on Chloroplasts Isolated from Species Either Susceptible or Resistant Toward s-Triazine Herbicides," *Pesticide Biochemistry and Physiology*, 18:357-367 (1982).

Oliphant et al., "Cloning of random-sequence oligodeoxynucleotides," *Gene*, 44:177-183 (1986).

Olsen "Removal of Atrazine from Drinking Water Using Cross-linked Cells in Alginate Beads," *Fall 2000 Newsletter*, [online] Hamline University Biology Department, Saint Paul, MN [retrieved on December 4, 2001]. Retrieved from Internet
URL<http://138.192.68.68/bio/faculty/malody/bioalumpage/bioalumpage/newsletters/newsletterF00.htm#Biology>, 5 pages.

Ooms et al., "Octopine Ti-Plasmid Deletion Mutants of *Agrobacterium tumefaciens* with Emphasis on the Right Side of the T-Region," *Plasmid*, 7:15-29 (1982).

Ow et al., "Transient and Stable Expression of the Firefly Luciferase Gene in Plant Cells and Transgenic Plants," *Science*, 234:856-859 (1986).

Paszkowski et al., "Direct gene transfer to plants," *EMBO Journal*, 3:2717-2722 (1984).

Information Disclosure Statement

Page 9 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

Prasher et al., "Cloning and Expression of the cDNA Coding for Aequorin, a Bioluminescent Calcium-Binding Protein," <i>Biochemical and Biophysical Research Communications</i> , 126:1259-1268 (1985).
Przibilla et al., "Site-Specific Mutagenesis of the D1 Subunit of Photosystem II in Wild-Type <i>Chlamydomonas</i> ," <i>Plant Cell</i> , 3:169-174 (1991).
Radke et al., "Evaluation of the Pyridine-Alkali Colorimetric Method for Determination of Atrazine," <i>Journal of Agriculture and Food Chemistry</i> , 14:70-73 (1966).
Radosevich et al., "Biodegradation of atrazine in surface soils and subsurface sediments collected from an agricultural research farm," <i>Biodegradation</i> , 7(2):137-149 (1996).
Ragab et al., "Colorimetric Methods for the Determination of Simazine and Related Chloro-s-triazines," <i>Journal of Agriculture and Food Chemistry</i> , 16:284-289 (1968).
Ryan, "Resistance of Common Groundsel to Simazine and Atrazine," <i>Weed Science</i> , 18:614-616 (1970).
Sadowsky et al., "Use of Phytoremediation Strategies to Bioremediate Contaminated Soils and Water," <i>Biology of Plant-Microbe Interactions</i> , International Society for Molecular Plant-Microbe Interactions, pages 527-532 (1996).
Sambrook et al., <i>Molecular Cloning, a Laboratory Manual</i> , 2 nd Edition, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York; Title page, publication page and table of contents only: 30 pages (1989).
Scott et al., "Searching for Peptide Ligands with an Epitope Library," <i>Science</i> , 249:386-390 (1990).
Selifonova et al., "Bioluminescent sensors for detection of bioavailable Hg(II) in the environment," <i>Appl Environ Microbiol.</i> , 59(9):3083-3090 (1993).
Shah et al., "Engineering Herbicide Tolerance in Transgenic Plants," <i>Science</i> , 233:478-481 (1986).
Sikka et al., "Dissipation of Atrazine from Soil by Corn, Sorghum, and Johnsongrass," <i>Weeds</i> , 14:289-293 (1966).
Smith et al., "Prediction of the persistence of the triazine herbicides atrazine, cyanazine, and metribuzine in Regina heavy clay," <i>Canadian Journal of Soil Science</i> , 69:587-595 (1989).
Stemmer, "DNA shuffling by random fragmentation and reassembly: In vitro recombination for molecular evolution," <i>Proceedings of the National Academy of Sciences, USA</i> , 91:10747-10751 (1994).
Stemmer, "Rapid evolution of a protein <i>in vitro</i> by DNA shuffling," <i>Nature</i> , 370:389-391 (1994).

Information Disclosure Statement

Page 10 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

Stemmer et al. "Single-step assembly of a gene and entire plasmid from large numbers of oligodeoxyribonucleotides, *Gene*, 164:49-53 (1995).

Strong et al., "Field-scale bioremediation of atrazine-contaminated soil," American Society for Microbiology 1999 General Meeting, May 30-June 3, 1 page (1999).

Strong et al., "Field-scale remediation of atrazine-contaminated soil using recombinant *Escherichia coli* expressing atrazine chlorohydrolase," *Environmental Microbiology*, 2(1):91-98 (2000).

Struthers et al., "Biodegradation of atrazine by *Agrobacterium radiobacter* J14a and use of this strain in bioremediation of contaminated soil," *Applied and Environmental Microbiology*, 64(9):3368-3375 (1998).

Sutcliffe, "Nucleotide sequence of the ampicillin resistance gene of *Escherichia coli* plasmid pBR322, *Proceedings of the National Academy of Sciences, USA*, 75:3737-3741 (1978).

Tatusova et al., "BLAST 2 Sequences, a new tool for comparing protein and nucleotide sequences," *FEMS Microbiology Letters*, 174(2):247-250 (1999).

USDA "Clean Up Herbicides with Plants," *USDA:Putting Research to Work for America*, 12 (1997).

Viera et al., "The pUC plasmids, an M13mp7-derived system for insertion mutagenesis and sequencing with synthetic universal primers," *Gene*, 19(3):259-268 (1982).

Wenk et al., "Rapid atrazine mineralisation in soil slurry and moist soil by inoculation of an atrazine-degrading *Pseudomonas* sp. strain," *Applied Microbiology and Biotechnology*, 49(5):624-630 (1998).

Widmer et al., "Kinetics of Atrazine Hydrolysis in Water," *Journal of Environmental Science and Health*, B28:19-28 (1993).

Winkelmann et al., "Degradation and bound residue formation of atrazine in a western Tennessee soil," *Environmental Toxicology and Chemistry*, 10:335-345 (1991).

Winter et al., "Making Antibodies by Phage Display Technology," *Annual Review of Immunology*, 12:433-455 (1994).

Wych et al., "Simultaneous Measurement of Nitrogen Fixation Estimated by Acetylene-Ethylene Assay and Nitrate Absorption by Soybeans," *Plant Physiology*, 62:443-448 (1978).

Yuan et al., Modification of Plant Components," *Current Opinion in Biotechnology*, 8(2):227-233 (1997).

Zukowski et al., "Chromogenic identification of genetic regulatory signals in *Bacillus subtilis* based on expression of a cloned *Pseudomonas* gene, *Proceedings of the National Academy of Sciences, USA*, 80:1101-1105 (1983).

Information Disclosure Statement

Page 11 of 11

Applicant(s): Lawrence P. WACKETT et al.

Serial No.: 09/898,238

Confirmation No.: 7517

Filed: 3 July 2001

For: ISOLATED AND PURIFIED DNA MOLECULE AND PROTEIN FOR THE DEGRADATION OF
TRIAZINE COMPOUNDS

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

Respectfully submitted for
Lawrence P. Wackett et al.

By

Mueeting, Raasch & Gebhardt, P.A.

P.O. Box 581415

Minneapolis, MN 55458-1415

Phone: (612)305-1220

Facsimile: (612)305-1228

Customer Number 26813



26813

PATENT TRADEMARK OFFICE

April 1, 2002
Date

By: David L. Provence
David L. Provence
Reg. No. 43,022
Direct Dial (612)305-1005